

Amendments to the Claims

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

Claims 1 - 50. (Canceled)

51. (Previously Presented) The method of claim 90, wherein said liposome-forming lipids are phospholipids.

52. (Previously Presented) The method of claim 51, wherein said phospholipids are derived from egg yolk or soy oil.

Claims 53 - 54. (Canceled)

55. (Currently Amended) The method of claim ~~50~~90, wherein the solvent is cyclohexane.

Claims 56 - 58. (Canceled)

59. (Currently Amended) The method of Claim 90, wherein the weight ratio between said ~~carotenoid~~carotenoid-lycopene and the liposome-forming lipids in the resulting liposomal formulation is in the range of between 1:1 and 1:500.

60. (Currently Amended) The method of Claim 90, wherein said ~~carotenoid~~carotenoid-lycopene is entrapped in the lipid bilayer of the liposome formed.

61. (Currently Amended) A formulation comprising liposomes loaded with an amount of a ~~water-immiscible~~

~~carotenoid~~lycopene, the formulation being prepared by the method of Claim 90.

62. (Previously Presented) The formulation of Claim 61, wherein said liposomes are formed from lipids, the weight ratio between the lycopene and the liposome-forming lipids being in the range of between 1:1 and 1:500.

63. (Currently Amended) The formulation of Claim 61, wherein said liposomes consist of a lipid bilayer and said ~~carotenoid~~lycopene is entrapped in said lipid bilayer.

64. (Previously Presented) The formulation of Claim 61, wherein the liposome-forming lipids are phospholipids.

65. (Previously Presented) The formulation of Claim 64, wherein said phospholipids are derived from egg yolk or from soy oil.

Claims 66 - 67. (Canceled)

68. (Previously Presented) A pharmaceutical composition comprising a pharmaceutically or cosmetically effective amount of a formulation according to Claim 61 and a pharmaceutically or cosmetically acceptable additive.

Claims 69 -74. (Canceled)

75. (Previously Presented) The composition of Claim 61, wherein the formulation further comprises a pharmaceutically acceptable or cosmetically acceptable carrier.

76. (Previously Presented) The composition of Claim 75, formulated for topical application to an individual's skin.

77. (Previously Presented) The composition of Claim 76, in the form of a cream, a lotion, hydrogel or gel preparation.

78. (Previously Presented) The composition of Claim 75, formulated for oral administration.

79. (Previously Presented) The composition of Claim 78, in the form of a capsule.

80. (Previously Presented) The composition of Claim 78, in the form of an edible wherein said formulation is in the form of a suspension.

81. (Previously Presented) The composition of Claim 68, for the treatment of damage caused by the formation of singlet oxygen.

82. (Previously Presented) A therapeutic method for the treatment or prevention of damage caused by singlet oxygen, the method comprises providing an individual in need thereof a composition according to Claim 61.

Claims 83 - 89 (Canceled)

90. (Currently Amended) A method for preparing a formulation comprising liposomes loaded with an effective amount of ~~at least one carotenoid that is substantially~~

~~immiscible in water~~lycopene, the method comprising the steps of:

- a. ~~Dissolving~~dissolving a first powder of liposome-forming lipids in an organic solvent ~~to a level close to saturation~~that freezes under lyophilization conditions;
- b. ~~Adding~~adding lycopene to the dissolved liposome-forming lipids obtained in step (a) at ~~least one dry, water immiscible carotenoid~~ to obtain a mixture of ~~carotenoid~~lycopene and liposome-forming lipids, and freeze-drying the solution to form a second dry powder; and
- c. ~~Rehydrating~~rehydrating the second dry powder in an aqueous solution to yield liposomes loaded with ~~at least one carotenoid~~lycopene.

Claims 91 - 92. (Canceled)

93. (New) A pharmaceutical composition comprising a pharmaceutically or cosmetically effective amount of a formulation according to Claim 62 and a pharmaceutically or cosmetically acceptable additive.

94. (New) A pharmaceutical composition comprising a pharmaceutically or cosmetically effective amount of a formulation according to Claim 63 and a pharmaceutically or cosmetically acceptable additive.

95. (New) A pharmaceutical composition comprising a pharmaceutically or cosmetically effective amount of a formulation according to Claim 64 and a pharmaceutically or cosmetically acceptable additive.

96. (New) A pharmaceutical composition comprising a pharmaceutically or cosmetically effective amount of a formulation according to Claim 65 and a pharmaceutically or cosmetically acceptable additive.